



463_4.TXT

SEQUENCE LISTING

<110> Joyce, Gerald F.
Breaker\ Ronald R.

<120> ENZYMATIC DNA MOLECULES

<130> TSRI 463_4

<140> US 09/423,035
<141> 2000-01-13

<150> PCT/US98/08677
<151> 1998-04-29

<150> US 60/045,228
<151> 1997-04-29

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aguggcaaau agagu	15
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gcaagaaaau gggcc	15
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cuauaagaaug gguga	15

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<210> 110	
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uacagcaaca uggggaaugg	20
<210> 111	
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caugggaaau ggacaggg	18
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aagucuuuga gaguuuccug cac	23
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<212> RNA
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19

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20

<210> 118
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21

<210> 119
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<400> 119
 gaacauuaca uuauagugac cag

23

<210> 120
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<220>
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14

<210> 121
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<221> misc_feature
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<223> R = A or G

<400> 121
rggctagcta caacga

<210> 122
<211> 16
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<213> Artificial Sequence

<220>

<223> Synthesized

<221> misc_feature
<222> 1
<223> R = A or G

<221> misc_feature
<222> 9
<223> H = A, C, or T

<400> 122
rggctagcha caacga

<210> 123
<211> 79
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthesized

<221> misc_difference
<222> 18
<223> N = Adenosine Ribonucleotide

<400> 123
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aatgttgacac ccatgttag 79

<210> 124
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<212> DNA
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<220>

<223> Synthesized

<400> 124
gtgccaaagct taccgagtaa ctgcgtccgg ctcggatggat gggtcgatctg tccttccatc 60
tcttagttact ttttc 75

<210> 125
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<212> DNA
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<220>

<223> Synthesized

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gtgccaaagc ttaccgggaa aaatcggtgt agctagccata actaggcgt ctgtccccc 60
atctctagtt actttttc 78

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<210> 126

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized

<400> 126

ggaaggacag acgacccatc

20

<210> 127

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized

<400> 127

gtgccaaagct taccggggaaa aa

22

<210> 128

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized

<221> misc_feature

<222> 22

<223> N = Adenosine Ribonucleotide

<400> 128

ggaaggacag acgacacctgt tn

22

<210> 129

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized

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gaaaaagtaa ctagagatgg aaggacagac gacc

34

<210> 130

<211> 80

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized

<400> 130

cacgggttcga atggcgttat gcatacacact attttcatt gaaggcaggcc gagccttcca 60

ccttccagcg gtagagaagg 80

<210> 131

<211> 77

463_4.TXT

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthesized

<400> 131
cacggttcga atggcatgtt aagttcggtcc ctttttagca acatcgatcg gattggtttc 60
cccagcggta gagaagg 77

<210> 132
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthesized

<221> misc_feature
<222> (1)...(21)
<223> Positions 1 to 21 are RNA; the rest of the
molecule is DNA

<400> 132
ggaaaaagua acuagagaug gaagagatgg cgac

34